

SOV/49-59-4-12/20

On the Character of Elastic Impulses Accompanying a Disintegration
of Rocks

cases of fractures were caused by the pulses which were analogous to simple seismic waves and to those occurring in mines. The oscillographs Figs 2-7 illustrate the experiments. Fig 2 shows oscillographs of the elastic pulsation produced in gypsum by means of a steel sphere of 2 g weight when the sample was subjected to a pressure of 10 kg/cm². Fig 2a - metal plates were placed between the sample and the press, Fig 2b - the whole sample was wrapped in felt. Fig 2B - felt was placed between the sample and the press. Fig 3 shows the oscillographs at the moment of the first fractures in the colophony. (Fig 3a - no felt used, 3b - sample wrapped in felt). Fig 4 is similar to Fig 3 with an addition of impacts with the sphere. (Fig 4a - intensive pulses producing fractures, 4b - pulse caused by the sphere weighing 0.1^ g). Fig 6 gives the pulsations recorded at the end of disintegration of paraffin wax.

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of Rocks

Fig 7 represents two examples of oscillations recorded in
two different coalmines (Figs 7a and 7b). Thanks are given
to M. S. Antsyferov for his advice. There are 7 figures and
6 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut gornogo dela (Academy of
Sciences USSR, Institute of Mining)

SUBMITTED: July 20, 1958.

Card 3/3

ANTSYFEROV, Mikhail Sergeyevich; KONSTANTINOVA, Aleksandra Georgiyevna;
PEREVERZEV, Leonid Borisovich. Prinimal uchastiye IVANOV, V.S.
SKOCHINSKIY, A.A., akademik, otv.red.; GRIGOR'YEV, Ye.N., red.
izd-va; SIMKINA, G.S., tekhn.red.

[Seismosacoustic investigations in coal mines] Seismoakusticheskie
issledovaniya v ugol'nykh shakhtakh. Moskva, Izd-vo Akad.nauk
SSSR, 1960. 103 p.
(Coal mines and mining--Accidents) (Seismometry)

S/049/60/000/011/003/012
D247/D305

AUTHOR: Konstantinova, A. G.

TITLE: Temporal distribution of the energy of elastic impulse
during the fissuring preceding rock burst

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya,
no. 11, 1960, 1580-1592

TEXT: The author investigates seismo-acoustic phenomena accompanying
the disintegration of rock-samples under the influence of one-axial
pressure in laboratory experiments and the breakdown of coal-seams under
the influence of rock pressure in the mine before an outburst of coal
and gas. The laboratory experiments were carried out according to the
method of Yu. V. Riznichenko, O. I. Silayeva, O. G. Shamina, V. I. Myach-
kin, V. A. Glukhov and S. D. Vinogradov (Ref. 2: Tr. geofiz. in-ta AN
SSSR, no. 34, 1956). The rock-samples were taken from coal-seams in the
Donets-district, argillite and sandstone from Tom-Urinsk deposit and talc-
chlorite and coal from the Kizelovsk district. The samples had a pris-

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D247/D305

Temporal distribution...

matic or cylindrical shape, size 30 - 200 mm. The cracks produced were approximately perpendicular to the direction of pressure. A piezometer was used as receiver with a sensitive element from seignettelectric salt, size 20 x 20 x 20 mm, magneto-phone MAP-8m (MAG-8m) or M33-6 (MEZ-6), the amplifier UU-2 (Sh-2) and the oscillograph MPO-2 (MPO-2). The behavior of different samples under the influence of pressure was dependent on their structural characteristics. Elastic impulses by strong and homogenous bodies were observed only in the last stage of disintegration, whereas samples with many cracks and impregnations radiated the greatest part of their energy long before a complete breakdown took place. In seismographic records, the periods with high values of energy are followed by zones of relatively weak emanation. The final disintegration of samples was always accompanied by a great intensity of seismo-acoustic processes resulting in an important increase of frequencies and amplitudes of impulses. The same tendencies could also be observed in mines during the fissuring and outburst of coal seams and rocks. The results of laboratory experiments are illustrated graphically. Observations in the mines prove that during extraction of coal, certain seismo-acoustic

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Temporal distribution...

phenomena can be registered. A more detailed investigation of seismo-graphic records taken at the working face confirms the presence of a correlation between the intensity of seismic impulses and fissuring in coal-seams as a result of excavation and subsidence pressure. Intensive use of pick hammers caused an increase in seismic activity. A similar increase also appeared when the normal structure of the coal-seam was disturbed by taking out a band of argilite. Probably the most important factor increasing seismic activity is the presence of geological dislocations. According to statistical data, most of the rock burst in the Donets-district occurred in or near the zones of geological dislocations. Two special cases of coal and gas outbursts were investigated by means of a detailed analysis of records taken in the period before the said outburst. In the mine "Klyuchi" an increase of seismic activity was observed approximately 30 hours before the outburst with a maximum at 40 min. immediately before the breakdown. In the mine "Kamenka" the most intensive seismic activity took place 11 - 13 hours before the outburst. The working face here is in a zone of important geological dislocation. The author states that summary energy registered during the period of 30 - 35

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hours before the outburst is commensurate with the amount of energy developed during the outburst proper. As regards the correlation between the energy of seismo-acoustic impulses and the dimensions of corresponding fissures, it appears that the degree of coal-seam-destruction caused by rock pressure over a long period is commensurate with the disintegration resulting from an outburst with a duration of some seconds. The presence of a disturbed zone near to the working face causes even a very small outward impulse to produce a breakdown. The intensity of fissuring in the zone in front of the working face derived from the characteristics of seismo-acoustic records reflects an approximate degree of rock disintegration and consequently indicates the time when a sudden outburst can be expected. There are 5 figures and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: A. Griffith, The phenomena of rupture and flow in solids, Phil. Trans. Roy. Soc., Ser. A, (1921). ✓

ASSOCIATION: Akademiya nauk SSSR. Institut gornogo dela (Academy of Sciences, USSR, Institute of Mining)

Card 4/5

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

Temporal distribution...

S/049/60/000/011/003/012
D247/D305

SUBMITTED: April 21, 1960

✓

Card 5/5

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

KONSTANTINOVA, A.G.

Distortions observable in seismograms recording elastic pulses in
mines. Izv. AN SSSR. Ser. geofiz. no.12:1762-1770 D '60.
(MIRA 13:12)

1. Institut gornogo dela AN SSSR.
(Seismometry) (Mine explosions)

KONSTANTINOVA, A.G.

Effect of unilateral pressure on the natural oscillation
frequency of rock specimens. Izv. AN SSSR. Ser. geofiz.
no.1:23-29 Ja '62. (MIRA 15:2)

1. AN SSSR, Institut gornogo dela.
(Rocks--Testing)
(Elasticity)

KONSTANTINOVA, A.G.

Relation between the energy of elastic pulses generated during
the destruction of solid bodies and the stress and size of
ruptures. Izv. AN SSSR. Ser. geofiz. no.2:194-198 F '62.
(MIFI A 15:2)

(Rocks--Testing)
(Force and energy)

KONSTANTINOVA, A.G.; PETROSYANTS, E.V.

Use of the seismoacoustical method for studying the blast effect
on an anchored roof. Ugol' 37 no.5:15-17 My '62. (MIRA 15:6)
(Blast effect)
(Mine roof bolting)

KONSTANTINOVA, A.G.; MYSINA, L.G.

Relative changes of the energy of seismo-acoustic processes during
the sudden outburst of coal and gas. Izv. AN SSSR. Ser.geofiz.
no.2:301-308 F '63. (MIRA 16:3)

1. Institut gornogo dela im. A.A.Skochinskogo.
(Mine cases) (Seismology)

KONSTANTINOVA, A.G.; MYSINA, L.G.; IVANOV, V.S.

Characteristics of the seismoacoustic processes accompanying sudden
ejections of coal and gas during well boring. Izv. AN SSSR. Ser.
geofiz. no.11:1676-1683 N . '63. (MIRA 16:12)

1. Institut gornogo dela im. A.A.Skochinskogo.

ACCESSION NR: AP4045789

S/0049/64/1.30/009/1393/1398

AUTHOR: Konstantinova, A. G.

TITLE: Dependence of the duration of elastic oscillations produced during the formation of fractures, on the strength of the fractured material

SOURCE: AN SSSR. Izvestiya. Seriya geofizicheskaya, no. 1, 1964, 1393-1398

TOPIC TAGS: rock fracturing, elastic oscillation, geophysical modeling, mining

ABSTRACT: This article discusses the dependence of the duration of seismoaoustic processes accompanying the formation of a unit surface of a fracture on the stress at which the fracturing process began. There is also an analysis of the dynamics of the fracturing of samples of different strengths. The apparatus and experimental techniques are described in detail. A 2.5-ton press was used in the work. The samples were rectangular prisms, in most cases cubes, with sides from 27 to 60 mm in length, made of talcochlorite and a model material (ten parts by weight of rosin and one part by weight of paraffin). It was found that fracturing is definitely dependent on the orientation of the samples relative to the axis along which the load is applied. When recording the elastic oscillations accompanying the formation of fractures and the destruction of samples, the seismic detectors used were groups of plates of Rochelle salt measuring 20 x 20 x 20 mm. Oscilla-

Card 172

ACCESSION NR: AP4045789

tions were recorded by magnetic recorders. The samples of the rosin-paraffin alloy were of different strengths. Fracturing of the strongest samples began at a stress of 90-100 kg/cm², samples of moderate strength fractured at a stress close to 50 kg/cm², and the weakest samples fractured at 20-30 kg/cm². The fracturing of the strongest samples of the rosin-paraffin alloy was accompanied by elastic oscillations of relatively short duration. In the initial parts of the pulses there were oscillations resembling an attenuating sinusoid. Their frequency, close to 5 kc/s, virtually coincided with the frequency of natural oscillations of the transverse type, excited in these same samples by impacts. Similar results are given for other samples. The observation method described can be used in the study of rock strength under laboratory conditions. The result can be used for interpreting seismoacoustic processes recorded at the time of spontaneous destruction of rocks under the influence of rock pressure. Orig. art. has: 3 figures and 1 formula.

ASSOCIATION: Institut gornogo dela imeni A. A. Skochinskogo (Mining Institute)

SUBMITTED: 12Aug63 ENCL: 00 SUB CODE: ES

NO REF Sov: 009 OTHER: 004

Card 2/2

KONSTANTINOVA, A.G.

Dependence of the duration of elastic vibrations induced by ruptures
on the breaking strength of the material. Izv. AN SSSR. Ser. geofiz.
no. 9:1393-1398 S '64. (MIRA 17:10)

L. Institut gornogo dela im. A.A.Skochinskogo.

KONSTANTINOVA, A.G.; MYSINA, L.G.; IVANOV, V.S.

Analysis of seismacoustic processes accompanying strong
sudden ejections of coal and gas. Izv. AN SSSR. Fiz. zem.
no.11:85-89. '65. (MIRA 18:12)

l. Institut gornogo dela imeni A.A. Skochinskogo. Submitted
June 26, 1964.

Card 1/2

UDC: 552.1:5

ACC NR: AP6036356

During the crushing period, the rate of increase of log E is about twice as great as that of log N and about four times as great as that of log \bar{A} . The data obtained on the temporal variation of the elastic oscillation parameters can be used in studying the crushing mechanism and the strength of coal samples and in interpreting seismo-acoustic observational data from coal mines. Orig. art. has: 3 figures and 2 formulas.

SUB CODE: 08/ SUBM DATE: 06May65/ ORIG REF: 005/ OTH REF: 002/
ATD PRESS: 5106

Card 2/2

KONSTANTINOVA, A.I.; CHERTOVA, N.D. (Ufa)

Some data on morbidity from cancer of the lungs in connection with atmospheric air pollution; according to materials from Ufa Hospital for the 10 years, 1950-1960. Klin. med. 40 no.12:104-106 D '62. (MIRA 17:2)

1. Iz gospital'noy terapeuticheskoy kliniki (zav. - zaslu-zhennyy deyatel' nauki Bashkirskoy ASSR dotsent Z.Sh. Zagidulin) Bashkirskogo meditsinskogo instituta.

L 10658-63

EWP(q)/EWT(m)/BDSc-AFFTC/ASD--JD/JXT(IJP)

ACCESSION NR: AP3001211

S/0078/63/008/006/1314/1319

AUTHOR: Mikheyeva, V. I.; Sterlyadkina, E. K.; Konstantinova, A. I.; Kryukova, O. N.

TITLE: Absorption of hydrogen by alloys of cerium with magnesium

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1963, 1314-1319

TOPIC TAGS: absorption; hydrogen; alloys; cerium; magnesium

ABSTRACT: Hydrogen absorption by cerium-magnesium alloys was investigated: alloys having more than 50 atom % Mg did not hydrogenate at room temperature; in alloys containing up to 30% Mg, the Ce appears to be preferentially hydrogenated; in the 30-50% Mg range, absorption corresponds to the formula $CeH_{3+n}MgH_2$, in particular, $MgH_2 \cdot 2CeH_3$ and $MgH_2 \cdot CeH_3$. Increase in Mg from 0-50% increases the induction period and hydrogenation time. If reaction is carried out at elevated temperature, alloys having up to 66% Mg can be hydrogenated but amount of H absorption is decreased. According to chemical and thermographic examination, the hydrogenation products are mechanical mixtures of the hydrides whose properties are distinct from those of MgH_2 and CeH_3 taken separately. Orig. art. has: 4 figures and 2 tables.

Card 1/2

L 10658-63

ACCESSION NR: AP3001211

2

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova,
Akademii nauk SSSR (Institute of General and Inorganic Chemistry, Academy of
Sciences, SSSR) Laboratoriya khimii gidradov i bora (Laboratory of Hydrides and
Boron Chemistry)

SUBMITTED: 06Jul62

DATE ACQD: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF Sov: 006

OTHER: 007

kes/
Card 2/2

LABUTIN, A.L.; KLEBANSKIY, A.L.; TSUKERMAN, N. Ya.; KARTSEV, V.N.; TRENKE, Yu.V.;
MAL'SHINA, L.P.; BOROVIKOVA, N.A.; KARELINA, G.G.; ROZHKOV, Yu. P.;
Prinimali uchastiye: SHMUREY, K.S.; ABOLINA, O.P.; KONSTANTINOVA, A.L.;
SELIVANOVSKAYA, G.A.

"Liquid nairit," a new material for rubberizing. Kauch. i rez. 20
no.6:5-8 Je '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo
kauchuka im. S. V. Lebedeva.
(Neoprene)
(Rubberized fabrics)

KONSTANTINOVA, A. M.

PA 2/50T10

USSR/Agriculture - Lucerne Mar/Apr 49
Plant Breeding

"Cross Breeding Various Types of Lucerne," A. M.
Konstantinova, Cand Agr Sci, All-Union Inst of Fodder
imeni V. R. Vil'yams, Moscow, 4 pp

"Agrobiol" No 2

Results of crossbreeding wild lucernes with local or imported varieties confirmed Michurin's concept of overcoming force of heredity in wild forms. Further study is needed, as experiments were still in early stages, but there is good reason to believe that breeding makes it possible to direct variability of hybrid in direction desired.

2/50T10

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, A.M., jt. au.

(Alfalfa in the non-chernozem belt) Moskva, Gos. izd-vo sel'khoz. lit-ry,
1951. 78 p.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

KONSTANTINOVA, A.M., dekor sel'skokhozyaystvennykh nauk.

Transforming wild forms of perennial grasses into highly productive
varieties. Agrobiologija no.4:31-39 Jl-Ag '56. (MLRA 9:10)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni V.R.
Vil'yamsa.
(Alfalfa) (Betony--Variation)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, A.M., doktor sel'skokhozyaystvennykh nauk.

Breeding for higher protein content. Nauka i pered. op. v sel'-
khoz. no.9:4-6 S '56. (MIRA 9:10)
(Plant breeding) (Feeding and feeding stuffs) (Proteins)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

SMEGEEV, P.A.; SHAIN, S.S.; KONSTANTINOVA, A.M.; GERASIMOVA, A.I.; MINYANVA,
O.M.; PEDOSHEEV, B.V.; TULIN, N.S., red.; GOR'KOVA, Z.D., tekhn.
red.

[Growing red clover] Kul'tura krasnogo klevera. Moskva, Gos. izd-
vo sel'khoz. lit-ry, 1958. 541 p. (MIRA 11:10)
(Clover)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, Agniya Markovna, doktor sel'skokhoz.nauk; KOREYSHO, Ye.G.,
red.; BALLOD, A.I., tekhn.red.

[Breeding and seed production of perennial grasses] Selektsiia
i semenovodstvo mnogoletnikh trav. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1960. 386 p. (MIRA 13:11)
(Grasses)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

KONSTANTINOVA, A.M.

"Michurin Methods of Breeding Forage Grasses by Means of
Hybridization."

All-Union Scientific Research Inst. of Fodder im. V.R.Vil'yams, Lobniya, Moscow Oblast'
report to be presented at the 8th Intl Grassland Congress, Reading, England, 11-21 Jul '60

KONSTANTINOVA, A.M., doktor sel'skokhoz. nauk

Role of free and controlled pollination in alfalfa breeding.
Agrobiologija no.4:518-521 Jl-Ag '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov, st. Lugovaya,
Moskovskoy oblasti.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, A.P.

Sarcoma of the uterus in a 5-year-old girl. Ped., akush. i gin. 20
no.4:61-62 '58. (MIRA 13:1)

1. Ginekologicheskoye otdeleniye (zav. - dots. S.I. Pavlenko) Khar'-
kovskogo instituta meditsinskoy radiologii (direktor instituta dots.
Ye.O. Bazlov).

(UTERUS--TUMORS)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

FOKIN, Ye.P.; KONSTANTINOVA, A.V.; KATOSHINA, K.I.

Interaction of aminohalonanthraquinones with morpholine, mono-,
and diethanolamines. Zhur. org. khim. 1 no.11:2012-2019 N '65.
(MIRA 18:12)

1. Novosibirskiy institut organicheskoy khimii Sibirskogo
otdeleniya AN SSSR. Submitted November 27, 1964.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

L 4374-66

ACC NR: AP5028433

SOURCE CODE: BU/0011/65/018/001/0085/0088
16
3

AUTHOR: Tonev, E.; Shindarov, L.; Konstantinova, B.; Vassileva, V.

ORG: Department of Microbiology and Virology, Department of Pathological Anatomy,
Post-Graduate Medical Institute, SofiaTITLE: Sensitivity of newly born albino mice to the sheep abortion virus upon
intraperitoneal infection

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 1, 1965, 85-88

TOPIC TAGS: mouse, virus, virology, pathology, histology

ABSTRACT: J. T. Stamp et al. (Vet. Res., 1950, 251-254) were the first to isolate the sheep abortion virus. F. R. Giroud et al. (Acad. Vet. Fr., 23, 1956, No 8, 353-401) found elementary corpuscles in mice infected peritoneally and killed on the 15-th day, while H. Parker (Vet. Res. 21, 1960, No 81, 243-250) and D. Saratianu et al. (Stud. cerc. infarmicrobiol, XII, 1961, 1, 95-103) infected mice intracerebrally and succeeded in establishing elementary corpuscles. Nevertheless, the problem of finding a convenient laboratory model for experimental infection remained of considerable interest because of the pathogenic significance of the virus and the subsequent damage caused by its infection. Consequently, the authors attempted sensitivity tests to the sheep abortion virus with newborn albino mice one and three days old.

Card 1/2

Miller
Card 2/2

KONSTANTINOVA, Bl.; PASTURMADZHIEVA, M.

A case of echinococcosis of the pelvic bones. Khirurgiia, Sofia 13
no.12:1092-1094 '60.

1. Iz Katedrite po Patologichna anatomia i Optopediia i travmatologija
pri ISUL
(ECHINOCOCCISIS case reports)
(PELVIC BONES dis)

RUSKOVA, Sv.; KONSTANTINOVA, Bl.

Choriocapithelioma in a male. Khirurgia 15 no.8:723-728 '62.

1. Institut za spetsializatsiya i usuvurshenstvuvane na
lekarite - Sofia. Katedra po urologija. Zav. katedrata: prof.
A. Chervenakov. Institut po obshha patologija i patologichna
anatomija. Direktor: prof. Iv. Goranov.
(CHORIOCARCINOMA) (TESTICULAR NEOPLASMS)

KONSTANTINOVA, Bl.

Cases of congenital anomaly of the venous system. Khirurgia
(Sofia) 16 no.2:197-200 '63.

(HEART DEFECTS CONGENITAL)

DASKALOV, A.; KONSTANTINOVA, Bl.; DIMITROV, L.

Rendu-Osler-Weber disease with fatal gastrointestinal hemorrhage.
Khirurgija (Sofia) 16 no.3:293-297 '63.

1. Institut za spetsializatsiya i usuvurshenstvuvane na
lekarite - Sofiia Katedra po gastroenterologija i dietetika
Rukovoditel na katedrata: prof. T. Tashev, chl. korespondent
na BAN [Fulgarska Akademija na naukite]. Katedra po patologija
Rukovoditei na katedrata: prof. Iv. Goranov Katedra po Bolnichna
khirurgija Rukovoditel na katedrata: prof. K. Stoianov.
(ANGIOMATOSIS) (HEMORRHAGE GASTROINTESTINAL)

BULGARIA/Human and Animal Morphology. Respiratory System S-2

Abs Jour: Ref Zhur - Biol., No 19, 1953, 88374

Author : Konstantinova, B. P.

Inst : Not Given

Title : Pathologic-anatomical Observations on Pulmonary Distomiasis in Korea

Orig Pub: Sovrem. med., 1956, 7, No. 3, 75-87

Abstract: Data on 2 observations of distomiasis of the lung were studied. The stimulus of distomiasis (*Paragonimus Westermannii*), developing in the human organism, forms 3 types of cysts: 1) Brown or yellow cysts- the ova of the live parasite, containing a semi-fluid material of chocolate color; 2) White, or grayish-white - yellowish cysts containing a homogeneous, necrotic mass, with dead parasites; 3) Sterile cysts-almost empty cavities, with a very small content of whitish material without para-

Card 1/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, B.

A case of a double-headed monster. Khirurgia, Sofia 10 no.8:749-751
1957.

(MONSTERS, case reports
dicephalic)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

Country : BULGARIA

Category: Human and animal Morphology (Normal and Pathological).
Pathological Anatomy

S

Abs Jour: RZhBiol., No 2, 1959, No 7632

Author : Konstantinova, B.

Inst :

Title : Congenital Anomalies of Heart and Large Blood Vessels.

Orig Pub: Khirurgiya (Bulg.), 1958, 11, No 1, 69-82

Abstract: It was shown on autopsy material that the percentage of congenital cardiac anomalies is 29.68 (of the total number of 64 investigated anomalies). Separate cases of heart and vessel anomalies are described

Card : 1/1

KONSTANTINOVA, B.

Unusual forms of congenital cardiovascular deformities; autopsy material
of an institute. Khirurgija, Sofia 11 no.4:337-350 1958.

I. Institut za spetsializatsiia i usuvurshenstvuvane na lekarite -- Sofiia
institut po obshcha patologija i patologichna anatomija. Direktor: dots.

I. Goranov.

(CARDIOVASCULAR DEFECTS, CONGENITAL, case reports,
unusual cases (Bul))

KIRCHEVA, S.S.; DRAGIYEV, T.; TSONEV, Iv.; KONSTANTINOVA, Bl. (Bulgariya)

Influence of microwave energy on the course of experimental
bronchial pneumonia in rabbits. Vop. kur., fizioter. i lech.
fiz. kul't. 25 no. 6:521-524 N-D '60. (MIRA 14:2)

1. Iz kafedry fizioterapii i kurortologii (zav. - prof. S.S.
Kircheva), kafedry farmakologii i toksikologii (zav. - prof.
V.Petkov) i kafedry obshchey patologii i patologicheskoy anatomii
(zav. - Iv. Goranov) Instituta spetsializatsii i usovershenstvovaniya
vrachey v Sofii.
(MICROWAVES—PHYSIOLOGICAL EFFECT) (PNEUMONIA)

KONSTANTINOVA, Bl.

A case of congenital anomalies of the biliary tract. Khirurgia (Sofia)
14 no.10:977-982 '61.

1. Iz Instituta po patologija i patologichna anatomija pri Instituta
za spetsializatsiya i usuvurshenstvuvane na lekarite.

(BILIARY TRACT abnorm)

BULGARIA

Bl. P. KONSTANTINOVA, Department of General Pathology and Pathological Anatomy of the Postgraduate Medical Institute (Katedra po Obshcha patologiya i patologichna anamotiya pri ISUL), Head (rukovoditel na katedrata) Prof Iv. GORANOV, [Sofia.]

"Pulmonary Alveolar Proteinosis."

Sofia, Suvremenna Meditsina, Vol 14, No 4, 1963; pp 3-13.

Abstract: Report of case of this syndrome in 10-year-old girl. First sign was vague radio-opacity found by chance during mass screening and tentatively diagnosed as hydatid; primarily respiratory, dyspneic symptoms appeared a month later; gradual worsening required pulmectomy 18 months later; discharged as cured. Very comprehensive histopathol. study and discussion thereof. Two gross specimen photographs, 5 photomicrographs; 21 Western references.

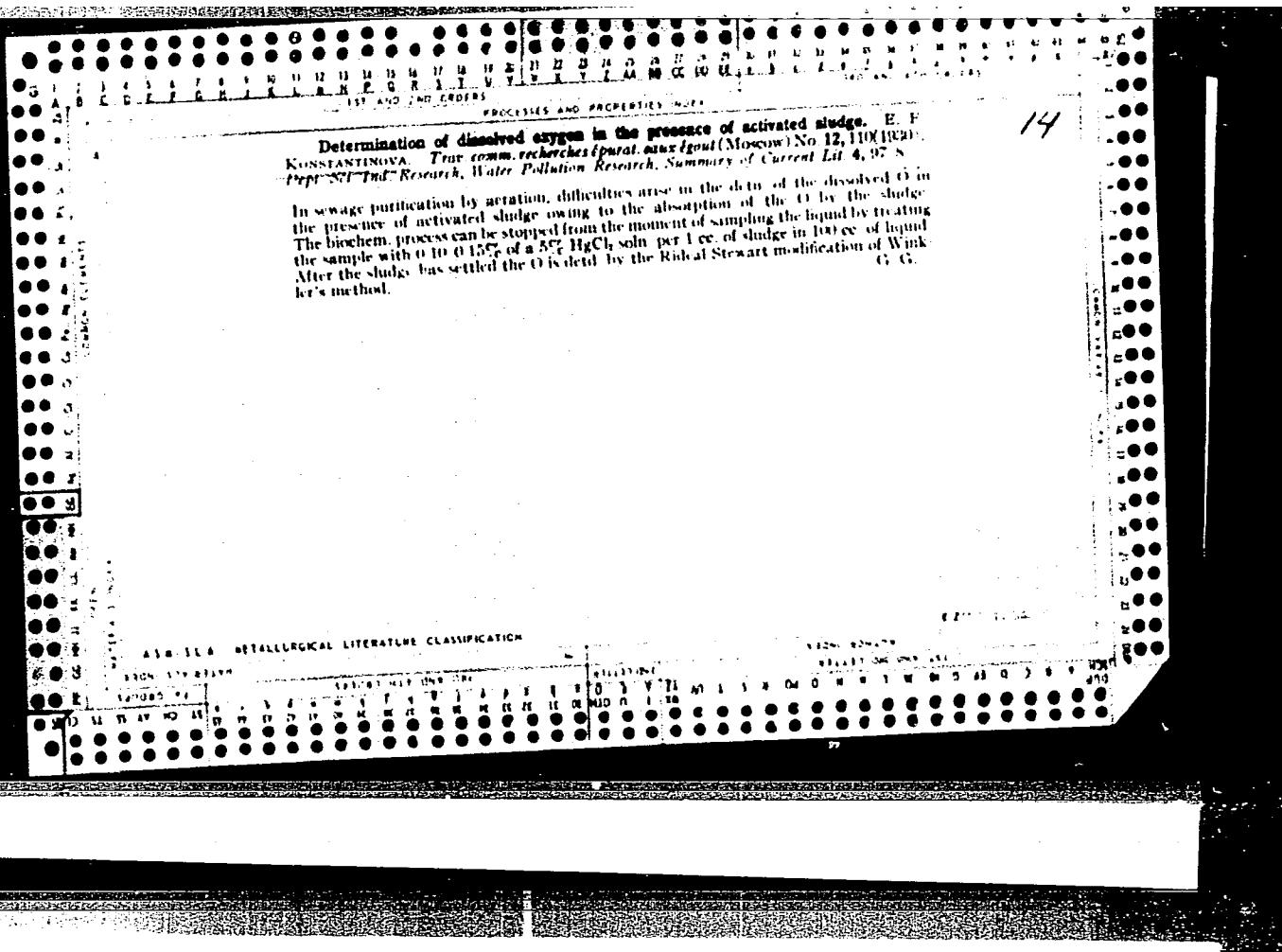
1/1

11

KONSTANTINOVA, El.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824410017-4

Determination of Reserpine and Nepresol in the Adelphan tablets.
Nauch trud Inst kontrol lek 1:69-74 '63.



KONSTANTINOVICH, E.L.

USSR/Theoretical Physics .. Quantum Mechanics.

B-4

Abs Jupur : Ref Zhur .. Fizika, No 4, 1957, 8413

Author : Konstantinova, E.L., Sokolik, G.A.

Inst : Physics Institute, Academy of Sciences, USSR.

Title : Two-Dimensional Schrodinger Equation and Representations
of the Group of Plane Motions.

Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 2, 430-431

Abstract : Irreducible unitary representations of the group of plane motion are derived -- they have an infinite number of dimensions, are given by the β numbers, and are realized in the space of Bessel functions. The representations do not contain the maximum vectors, and consequently all the representations of the group of plane motion turn out to be irreducible. It is particularly advantageous to classify the states of quantum two-dimensional system, given by the Schrodinger equation, in accordance with the above representations. All the states of the system given by the new quantum number turned out to be pure in this case.

Card 1/1

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

LAMBIEV, Khr.; NIKOLINSKI, P.; MLADENOV, Iv.; KONSTANTINOVA, El.

On the behavior of hydrogenated thallium oil in rubber mixtures.
Godishnik khim tekh 6 no.1:45-62 '59 (Publ. '60)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

L 14549-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACC NR: AP6004421 SOURCE CODE: UR/0051/66/020/001/0173/0175

AUTHORS: Shirokshina, Z. V.; Konstantinova, E. N.

ORG: none

TITLE: Increase in the luminescence intensity of electroluminescent low-voltage gallium arsenide diodes

SOURCE: Optika i spektroskopiya, v. 20, no. 1, 1966, 173-175

TOPIC TAGS: gallium arsenide, radiation intensity, electroluminescence optic coating, light reflection

ABSTRACT: An increase in the luminescence intensity was obtained in this investigation by depositing on the p-n junction side of the gallium arsenide crystal a homogeneous interference coating, consisting either of titanium dioxide or of a mixture of titanium dioxide with silicon, so as to reduce the reflection on the crystal-air interface. From the known values of the refractive indices of the coatings it is possible to determine the required thickness of the

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UDC: 535.376

L 14549-66

ACC NR: AP6004421

coating (225 nm). The coating solvents were ethers of orthotitanic and orthosilicic acids. The coating reduced the reflection coefficient from 30 to 0.1 percent. The intensity of luminescence of the gallium arsenide was increased by 40—50 percent by means of a film consisting of a mixture of titanium oxide and silicon oxide. Titanium dioxide alone increased the luminescence by only 25—30 percent. It is reported that such films can withstand a temperature of 1000°C. Orig. art. has: 3 figures. [02]

SUB. CODE: 20/ SUBM DATE: 19Apr65/ ORIG REF: 003/ OTH REF: 003
AID PRESS: 4197

PC
Card 2/2

Immunology

BULGARIA

ESKENASY, M., KONSTANTINOVA, G., VODENICHAROVA, H., Research Institute of Epidemiology and Microbiology; Regeneration Research Laboratory, Bulgarian Academy of Sciences, Sofia

"Use of Polycondensed Tetanus Toxoid as an Immunosorbent"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 5, 1966, pp 413-416

Abstract: [English article] Numerous researchers have been trying to find new methods for the isolation of pure antibodies. The authors applied the reaction of condensation of protein antigens (tetanus toxoid, human serum albumin) in the presence of bisdiazotized benzidine trying to obtain specific adsorbents for corresponding antibodies. The paper presents a description of the method and a summary of the preliminary data. An analysis shows that bisdiazotized benzidine brings about polycondensation of the protein antigen (tetanus toxoid) which is finally transformed into an insoluble product. The mechanism of the polycondensation process does not differ from that suggested by DeCarvalho et al. (Nature, 204, 1964, 265) for the polycondensation of specific γ -globulins. The polycondensation process does not significantly affect the determinant groups of the antigen, which is supported by the fact that it retains its capacity to combine with the homologous antibody. The conditions of the reactions are

1/2

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Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 5, 1966, pp 413-416

fairly mild (pH ranges from 5 to 9.5) and tetanus toxoid is not denatured. The method offers several advantages: use of cheap reagents, easy preparation, and applicability to most proteins. If different serum fractions, allowing the use of high concentration, are involved, preparation of immunosorbents with higher capacity may be expected. The present paper proves that the reaction of DeCarvalho et al. may be successfully used in the synthesis of immunosorbents from protein antigens for the isolation of homologous antibodies. Further studies will investigate the quantitative aspects of the application of these types of immunosorbents. There are 1 Bulgarian, 1 Soviet, and 11 Western references. (Manuscript received, 19 Jan 66.)

2/2

- 20 -

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824410017-
KOGAN, D.A.; KONSTANTINOVA, G.N.; BABUSHKINA, V.G.

Pancreatic function in hypertension. Klin. med., Moskva 30 no.2:77
Feb 1952. (CLML 22:1)

1. Professor for Kogan. 2. Of the Department of Physiotherapy, Middle-Asian Institute for the Advanced Training of Physicians (Director -- D. S. Pulatev), Tashkent.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOV, G. N.
SHEVARDIN, Ye. M.; RAZOV, I. A.; MATVEYEV, V. P.; KONSTANTINOVA, G. N.

Study of local deformations during plastic bending in connection
with experimental bend testing. Zav. lab. 23 no. 4:469-476 '57.
(Steel--Testing) (Strains and stresses) (MLBA 10:6)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, G.S.

Development of some forms of tundra microrelief. Izv.AN SSSR.Ser.
geog. no.3:71-76 My-Je '56. (MLRA 9:11)

1. Institut merslotovedeniya AN SSSR imeni V.A. Obrucheva.
(Tundras)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

SOV/122-59-2-23/34

AUTHORS: Layner, V.I., Doctor of Technical Sciences, Professor
Konstantinova, G.S., Engineer

TITLE: Copperising and Nickel Plating Magnesium Alloys
(Меднение i никелированиe magniyevykh splavov)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 2, pp 62-65 (USSR)

ABSTRACT: The authors recommend the following procedure for
galvanic coating of magnesium alloys:

- 1) Degrease with organic solvent.
- 2) Degrease electrolytically in a solution of
23 gramme/litre Na_2CO_3 , 16 g/l NaOH at room temperature
with current density 10 amps/decimetre².
- 3) Rinse in warm and in cold water.
- 4) Pickle in a solution: 180 g/l CrO_3 , 30 g/l NaNO_3 ,
2.5 g/l CaF_2 at room temperature for 1 to 2 minutes.
Cast alloys are pickled in 85% H_3PO_4 .
- 5) Rinse in cold water.
- 6) Activate in a solution: 250 mm/litre H_3PO_4 (85%),
100 g/l KHF_2 at room temperature for 2 minutes.
- 7) Rinse in cold water.

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SOV/122-59-2-23/34

Copperising and Nickel Plating Magnesium Alloys

- 8) Dip deposition of zinc from a solution:
45 g/l ZnSO₄·7H₂O, 210 g/l Na₄P₂O₇, 7 g/l KF·2H₂O,
5 g/l Na₂CO₃ at temperature 85 to 90°C for 7 to 9 min.
- 9) Rinse in cold water.
- 10) Copperise in cyanic electrolyte consisting of:
41 g/l CuCN, 51 g/l NaCN (combined), 5.6 g/l NaCN (free),
30 g/l Na₂CO₃ and 45 g/l KNaC₄H₄O₆·H₂O at temperature
of 65° to 70°C, pH = 12.2 to 12.8. The current density
is held at 4 amps/dm² for 30 seconds and further
deposition to a given thickness should proceed at
1 to 2 amps/dm². For deposition of thick layers
copperising can be combined in cyanic and acid
electrolytes.

Nickel and chrome plating both for protective and decorative purposes should proceed in usual electrolyte and at usual conditions after deposition of the copper as above. Graphs are given of loss in weight of magnesium alloy versus time of pickle (Fig 1); dependence of the thickness of zinc coating on temperature for a

Card 2/3

SOV/122-59-2-23/34

Copperising and Nickel Plating Magnesium Alloys

7 minute dip (Fig 2); on time of dip held at 70°C (Fig 3)
and on time of activation (Fig 4). Rate of outgassing
of hydrogen in a 1% salt solution for different
thicknesses of copper and nickel coatings is shown in
Fig 6, using apparatus as in Fig 5. There are 6 figures,
2 tables and 5 English references.

Card 3/3

S/137/62/000/007/068/072
A160/A101

AUTHORS: Korovin, N. V., Velichko, Yu. A., Konstantinova, G. S.

TITLE: The electrodeposition of the lead-thallium alloy

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 98 - 99, abstract 71668 ("Sb. nauchn. tr. In-t tsvetn. met. im. M. I. Kalinina", 1960, 33, 400 - 404)

TEXT: The deposition of Tl was carried out with hydrofluoboric and perchlorate electrolytes. It is possible to obtain good-quality Pb-Tl layers in a perchlorate solution containing Tl, Pb salts, free perchloric acid, size and pentone. The composition of the alloy depends on the Pb : Tl ratio in the electrolyte. Varying the ratio, it is possible to obtain alloys of any composition. When increasing D_c , the content of Tl in the alloy also increases. A decrease in the concentration of free perchloric acid, especially below 10 - 20 g/l, reduces the content of Tl in the deposit. The yield of the alloy by current is close to 100% and is slightly affected by electrolysis conditions. There are 7 references.

Ye. Layner

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017

KONSTANTINOVA, G.S.

Effect of a blanket of snow on the dynamics of seasonally and permanently frozen layers. Trudy Inst. merkl. AN SSSR 17:46-52 '61. (MIRA 15:2)
(Igarka region(Krasnoyarsk Territory) - Frozen ground)

KOROVIN, N.V.; VELICHKO, Yu.A.; KONSTANTINOVA, G.S.

Electrodeposition of lead-thallium alloys. Sbor. nauch. trud.
(MIRA 15:3)
GIINTSVETMET no.33:400-404 '60.
(Electroforming) (Lead-thallium alloys)

KONSTANTINOVA, G. S.

Development of permanently frozen ground in the Igarka-Khantaika region in the postglacial period. Trudy Inst. merzl. AN SSSR 19:32-43 '62. (MIRA 16:1)

(West Siberian Plain—Frozen ground)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, G. S.

Permanently frozen ground of the Yenisey Ridge. Trudy Inst.
mergl. AN SSSR 19:65-71 '62. (MIRA 16:1)

(Yenisey Ridge—Frozen ground)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

KHARITONOV, N.P.; KONSTANTINOVA, G.T.; KHUDOBIN, Yu.I.; KOMAROV, V.A.

Catalytic reaction of trialkyl (aryl) silanes with allyl alcohol.
Izv. AN SSSR Ser.khim. no.10:1749-1756 O '63. (MIRA 17:3)

1. Institut khimii silikatov im. I.V.Grebenshchikova AN SSSR.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

BEREZOVIN, N. & KOMAROVA, G.V.

A study of evaluating the homogeneity of polymer solutions.
Report no. 952-55 165. (MIRA 1819)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

PEREPELKIN, K.Ye.; KONSTANTINOVA, G.V.

Some properties of polyvinyl alcohol concentrated solutions. Khim.-
volok. no.6:19-22 '61. (MIRA 14:12)

1. Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta iskusstvennogo volokna.
(Vinyl alcohol polymers)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

NACHINKIN, O.I.; SHUR'YEVA, G.G.; KONSTANTINOVA, G.V.; SEDOV, F.A.;
TROITSKAYA, N.N., master-laborant; DOBROMISLOVA, M.F., master-
laborant

Use of surface-active agents in the production of "Vinal" fibers.
(MIRA 18:12)
Khim. volok. no.6:26-28 '65.

1. Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta iskusstvennogo volokna. Submitted June 13, 1964.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

L 12924-66 (A) EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD/WW/GG

ACC NR: AP6000182

SOURCE CODE: UR/0032/65/031/012/1450/1451

AUTHOR: Iglitsyn, M. I.; Ivanova, I. I.; Konstantinova, G. Ye.; Kosaganova, M. G.; Pavlov, N. M.ORG: State Scientific Research and Design Institute of Rare Metals Industry (Gosudarstvennyy nauchno-issledovatel'skiy i proektnyy institut redkometatallicheskoy promyshlennosti)

21,44,55

TITLE: Determination of nitrogen content in α -SiC by EPR technique

SOURCE: Zavodskaya laboratoriya, v. 31, no. 12, 1965, 1450-1451

TOPIC TAGS: silicon carbide, EPR, Hall effect, nitrogen, single crystal

ABSTRACT: An attempt was made to use EPR technique for determining nitrogen content in single crystals of hexagonal silicon carbide (α -SiC). The method is based on determining the number of paramagnetic centers (nitrogen atoms) in a crystal sample by comparing its EPR spectrum with the spectrum of a reference sample ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$). Both spectra were taken at the liquid nitrogen temperature with a PE 1301 radiospectrometer. The relationship between the concentration of the free charge carriers at room temperature as determined from the Hall effect (n_{Hall}) and the concentration of non-compensated and non-ionized nitrogen centers at the liquid nitrogen temperature (N_{EPR}) is:

$N_{\text{EPR}} = 4.87 n_{\text{Hall}}$. All the experimental results obtained with silicon carbide samples

UDC: 543.42

Card 1/2

L 12924-66

ACC NR: AP6000192

with various nitrogen contents are to the right of the $N_{EPR} = 4.87 n_{Hall}$ line (see fig. 1). This indicated that EPR technique gives only the concentration of the non-compensated nitrogen centers while the technique based on the Hall effect is indiscriminate.

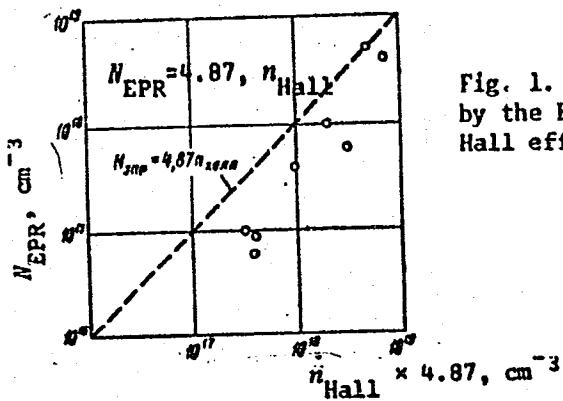


Fig. 1. Comparison of the results obtained by the EPR technique and on the basis of Hall effect.

tive (gives all non-compensated ionized donor centers). The accuracy of the EPR technique is better by one-half of an order of magnitude. The EPR technique is recommended as a rapid method of determining nitrogen content in silicon carbide crystals.

Orig. art. has: 2 figures, 1 table.

SUB CODE: 0720/ SUBM DATE: 00/ ORIG REF: 001 OTH REF: 001

Card 2/2

KONSTANTINOVA, I.

"Let us ensure energetic activity at the Ruse Radio Station." p 1. "The children's choir of the Rumanian Radio." p 1. (RADIO PREGLED, Vol. 8 #9, Feb. 1953, Bulgaria)

SO: Monthly List of East European Accessions, Vol. 2 #8, Library of Congress,
August, 1954, Uncl.

SHAPIRO, S.Ye.; KONSTANTINOVA, I.A.

Botulism treated with Diaferm-3 antitoxin serum. Zhur.
mikrobiol.epid. i immn. 30 no.5:138 My '59. (MIRA 12:9)

1. Iz Khabarovskoy gorodskoy infektsionnoy bol'nitsy.
(BOTULISM)

KAPUSTINA, A.L.; KONSTANTINOVA, I.M.; MIKHEYEVA, Z.I.

Trilonometric determination of aluminum in fused silicon and aluminum
during the electrometallurgy of aluminum. Trudy Vost.-Sib. fil. AN SSSR
(MIRA 16:3)
no.43:90-92 '62.
(Aluminum—Electrometallurgy) (Aluminum—Analysis)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

BRESLER, V.M.; VOROB'YEV, V.I.; PIL'SHCHIK, Ye.M.; KONSTANTINOVA, I.M.

Tryptophan pyrrolase activity in regenerating liver cells.
Tsitologiya 7 no.3:427-431 My-Je '65. (MIRA 18:10)

I. Laboratoriya mikroskopii Instituta tsitologii AN SSSR,
Leningrad.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

BIGLER, V.M.; VOROB'IEV, V.I.; PIL'SHCHIK, Ye.M.; KONSTANTINOVA, I.M.

Tryptophan pyrrolase activity in the liver and in some transplatable hepatomas of mice G₃HA. TSitologiya 7 no.5:664-666
(MIRA 18:12)
5-0 '65.

I. Laboratoriya mikroskopii i laboratoriya biokhimicheskikh osnov
reproduktsii kletki Instituta tsitologii AN SSSR, Leningrad.
Submitted January 5, 1965.

MESHALKIN, Ye.N.; FUKS, B.B.; STEFANOVICH, L.Ye.; SERGIYEVSKIY, V.S.;
KONSTANTINOVA, I.V.; DEVOYNO, L.V.; MEDVEDEV, I.A.

Using proteirase-treated collagenous and elastic "carcasses"
from heterologous material for vascular grafts. Izv. Sib. otd.
AN SSSR no.5:129-132 '62. (MIRA 18:2)

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR, Novosibirsk.

KONSTANTINOVA, I. V., CAND MED SCI, "TRANSPLANTATION
A
OF NONFIXED AND FORMALINIZED CORNEA IN ~~A~~ EXPERIMENT.
(HISTOCHEMICAL AND NEUROHISTOLOGICAL ^{study} ~~INVESTIGATION~~)."

NOVOSIBIRSK, 1959. (NOVOSIBIRSK STATE MED INST, CHAIR
OF OPHTHALMIC DISEASES). (KL, 3-61, 232).

426

FUKS, B.B.; KONSTANTINOVA, I.V.; STEFANOVICH, L.Ye.; LUK'YANOVA, I.G.;
TSYGANKOV, L.I.; KOLAYEVA, S.G.; KRASS, I.M.; VAN'KO, L.V.

Specific biosynthesis of antibodies induced by ribonucleic acid from
the lymphatic nodes and spleen of immune rabbits. Dokl. AN SSSR 153
no.2:485-488 N '63. (MIRA 16:12)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR.
Predstavлено академиком А.Н.Белозерским.

FUKS, B.B.; KONSTANTINOVA, I.V.; STEFANOVICH, L.Ye.; DEVOYNO, L.V.;
SERGIYEVSKIY, V.S.; FALK, I.G.; MODYAYEV, V.P.

Influence of some factors on the growth and differentiation of the
connective tissue in the regeneration of the cornea, aorta, tendons
and bones in biological frameworks. Dokl. AN SSSR 152 no.5:1260-1262
(MIRA 16:12)
O '63.

1. Institut eksperimental'noy biologii i meditsiny Sibirskogo
otdeleniya AN SSSR. Predstavлено академиком N.N.Anichkovym.

*

FUKS, B. B.; KONSTANTINOVA, I. V.; KOLAYEVA, S. G.; TSYGANKOV, A. F.; SHUL'GA, V. A.
KRASS, P. M. MAKSIMOVSKIY, L. F.

"Anti-BSA formation initiated in vivo and in vitro by ribonucleic acid from
lymph nodes and spleen of immunized rabbits (histochemical, biochemical and
immunological investigation)."

report submitted for 2nd Intl Cong, Histochemistry & Cytochemistry, Frankfurt,
16-21 Aug 64.

Moscow.
Dept Experimental Biology, Inst Cytology & Genetics, AS USSR, Novosibirsk 72.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

FUKS, B.B.; KONSTANTINOVA, I.V.; TSYGANKOV, A.P.

Immunological and histochemical study of the biosynthesis of
specific antibodies induced by ribonucleic acid from the cells
of immunized animals. Vest. AMN SSSR 19 no.12:28-39 '64.
(MIRA 18:4)

1. Institut morfolgii cheloveka AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4"

FEDOROV, G.A.; KONSTANTINOV, I.Ye.

Method for determining the Cs¹³⁷ content in soils. Vop. doz. i
zashch. ot izluch. no.2:171-178 '63. (MIRA 17:3)

1. KONSTANTINOVA, K. A.
2. USSR (600)
4. Blood - Transfusion
7. Intra-arterial blood transfusion and its application in children. Sov. med. 16, No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KONSTANTINOVA, K. V. MAJ.

PA 18/49T38

USSR/Medicine - Wounds, Gunshot
Medicine - Penicillin

Nov 48

"Intra-Arterial Administration of Penicillin
for Treating Complications of Gunshot Wounds in
the Extremities," Maj K. V. Konstantinova, Med
Corps, Nth SEC, 2 3/4 pp

"Khirurgiya" No 11

Analyzes 25 cases in which penicillin was used
to treat gunshot wounds, describing two in detail.
Concludes that intra-arterial administration of
penicillin is valuable and safe method of treating
sepsis in extremity wounds. Penicillin treatment

18/49T38

USSR/Medicine - Wounds, Gunshot (Contd) Nov 48
should be used as supplementary measure to
usual surgical intervention.

18/49T38

KONSTANTINOVA, K. V.

UESR/Medicine - Bacteriophage

Jun 51

"Administration of Bacteriophage in Connection
With the Application of a Secondary Suture,"
K. V. Konstantinova

"Khirurgiya" No 6, pp 71,72.

Describes experience acquired during World War II
in connection with the injection of streptococcus-
staphylococcus bacteriophage (diphage) at the
time when a secondary suture was applied to a
wound.

198T50

KONSTANTINOVA, K. V.

PA 236T15

USSR/Medicine - Blood Transfusion

Nov 52

"Intraarterial Blood Transfusion in Children,"
K. V. Konstantinova, Surgical Section, Children's
Hospital imeni I. V. Rusakova

"Sov Med" Vol 16, No 11, pp 24-26

The author describes the method of intraarterial
transfusion of blood to children, applied in
cases of cardiac failure and in general surgery
(blood losses, shock, etc.). She enumerates the
advantages of this method over intravenous blood
transfusions, which according to some medical

236T15

authorities, may cause a congestion of the vein
network. She also points out the advantages of
intraarterial transfusion in reviving cases of
clinical death.

236T15

1. KONSTANTINOVA, K. V.
2. USSR (600)
4. Penicillin - Therapeutic Use
7. Surgical and penicillin therapy of diplococcal peritonitis in children.
Sov. med. 17 No. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

KONSTANTINOVA, K.V.

Surgery and penicillin therapy of diplococcal peritonitis in children.
Sovet. med. 17 no.2:22-24 Feb 1953. ... (CLML 24:2)

1. Of the Surgical Division of Children Hospital imeni Rusakov (Head
Physician and Head of Division -- Honored Physician RSFSR V. A. Krush-
kov).

KONSTANTINOVA, K.V.

Intra-arterial injection of drugs (especially of penicillin) in children in complicated injuries of the extremities. Ortop.travm. protex., Moskva no.1:48-53 Ja-F '55. (MLRA 8:10)

1. Iz khirurgicheskogo otdeleniya detskoy bol'nitsy im. Rusakova (glavnnyy vrach i zav. otdeleniyem -kandidat med.nauk V.A.Krushkov)
(WOUNDS AND INJURIES,
extremities, ther., penicillin, intra-arterial admin.
in child)
(EXTREMITIES, wounds and injuries,
in child, ther., penicillin, intr-arterial admin.)
(PENICILLIN, administration,
intra-arterial, in inj. of extremities in child)

KONSTANTINOVA, K.V.(Moskva)

Surgical treatment of extrophy of the bladder. Urologija no.2:
71-75 Ap-Je '55. (MLRA 8:10)

1. Iz detskogo urologicheskogo otdeleniya (zav. K.V.Konstantinova)
2-y gorodskoy klinicheskoy detskoj bol'niцы imeni Rusakova
(glavnyy vrach V.A.Krushkov)
(BLADDER, abnormalities,
extrophy, surg.)
(ABNORMALITIES,
extrophy of bladder, surg.)

KONSTANTINOVA, K.V.

Arterial transfusion of the blood in children in severe chock,
agony, and clinical death. [with summary in English, p.150]
Vest.khir. 77 no.5:74-76 My '56. (MLRA 9:8)

1. In khirurgicheskogo otdeleniya (zav. K.V.Konstantinova) 2-y
Moskovskoy klinicheskoy detskoy bol'niitsy imeni Rusakova (gl.
vrach. zasluzh. vrach RSFSR V.A.Krushkov)
(RESUSCITATION,
intra-arterial blood transfusion in shock, agonal states
& clinical death in child.(Rus))
(SHOCK, therapy,
blood transfusion, intra-arterial, in child. (Rus))
(BLOOD TRANSFUSION, in various diseases,
agony, clinical death & shock in child, intra-arterial
transfusion (Rus))

KONSTANTINOVA, K.V.

Multiple developmental deformities of the urogenital system and large intestine. Urologia. no.5:48-49 '64. (MIRA 18:8)

1. Urologicheskoye otdeleniye (zav. K.V.Konstantinova) Detskoy gorodskoy klinicheskoy bol'nitsy No.2 imeni Rusakova i klinika detskoy khirurgii (zav. - prof. S.Ya. Doletskiy) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

***Friction Between Metals in the Presence of Lubricants.** G. M. Panchenko and K. V. Konstantinova (*Zhur. Tekhn. Fiziki*, 1939, **9**, (8), 537-544; *Sov. Abstr.*, 1939, (B), **20**, 600).—[In Russian.] The objects of the experimental research carried out by means of a measuring device of P. and K.'s own design were: dependence of the static coeff. of friction for lubricated surfaces (a) in the presence of vaseline oil containing various surface active substances, on the concentration of the latter, (b) on the nature of the oil (spindle, engine, cylinder, and aviation oils) containing different concentrations of stearic acid, (c) on the nature of the working metallic surfaces lubricated by aviation oils having varying concentrations of stearic acid, and by spindle oils with varying concentrations of both stearic and palmitic acids. A simple relation between the surface tension of the lubricant at its separating plane from water and the static friction coeff. could not be established. The friction coeff. is lower the higher the average molecular weight of the oil and the higher its viscosity. A limiting value of the static friction coeff. is reached for the lower concentrations of surface active substances. The friction coeff. depends also on the nature of the medium in which the surface-active substances are suspended.

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~~KONSTANTINOVA, K.V.; PANCHENKOV, G.M.~~, doktor khimicheskikh nauk, professor;
~~SHINELL', Yu. Ya.~~

Polymerization of oils in an electrodeless high-frequency discharge.
Trudy MFI no.11:210-220 '51.
(Polymerization) (MIRA 10:3)

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CIA-RDP86-00513R000824410017-4"

ENEV, K.; KONSTATINOVA, L.; IANUSH, V.; BOTEV, S.

Surgery of the liver and biliary tract according to date of the
surgical ward of the I Gradska obedinena bolnitsa in Sofia.
Khirurgia, Sofia 13 no. 2-3:171-175 '60.

1. Iz khirurgichnoto otdelenie pri I gr. obedinena bolnitsa in Sofia.
(LIVER surg.)
(BILINARY TRACT surg.)

KONSTANTINOVA, L.A., inzh.

Progressive large-panel elements for housing construction. Bet.
i zhel.-bet. no. 3:110-111 Mr '61. (MIRA 14:5)
(Concrete slabs) (Concrete coating)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824410017-4

KONSTANTINOVA, L.A.

Bulging effect on the surface of a plastic medium due to the
pressing-in of a ball. Issl.po uprug.i plast no.1:162-
164 '61. (MIRA 15:2)

(Deformations(Mechanics))

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CIA-RDP86-00513R000824410017-4"

GAL' BINSHTEYN, Z.N., inzh.; IL'INA, N.F., inzh.; NAUMOVA, M.V., inzh.;
FILINA, T.A., inzh.; KHODOS, M.M., inzh.; GOL'DMAN, Zh.I.;
PATALAKH, V.G.; SNESAREV, M.M.; VUL'FSO, Ye.S., inzh.;
KONSTANTINOVA, L.A., inzh.; SKOBELEVA, A.M., inzh.; TEL'NOVA,
Ye.V., inzh., KHEYFETS, L.S., inzh.; SELENEVICH, A.S.;
NEDOVESENKO, M.V.; VOLKOVA, A.Ye.; NOVITSKIY, L.M., nauchn.red.;
NEFEDOV, S.F., red.; ROSTOTSKIY, V.K., red.; GORDEYEV, P.A., red.
izd-va; YUDINA, L.A., red.izd-va; VDOVENKO, Z.I., red.izd-va;
GOL'BERG, T.M., tekhn.red.; KOROBKOVA, N.I., tekhn. red.

[Album of new construction equipment recommended for adoption]
Al'bom novoi stroitel'noi tekhniki, rekomenduemoi k vnedreniu.
Moskva, Gosstroizdat, 1963. No.1.[Industrial construction] Pro-
myshlennoe stroitel'stv. 116 p. No.3.[Construction for transpor-
tation purposes] Transportnoe stroitel'stvo. 91 p. No.4.[Rural
construction] Sel'skoe stroitel'stvo. 71 p. No.5. [Building
materials, products, and elements] Stroitel'nye materialy, izde-
liia i konstruktsii. 41 p. No.8. [Construction and road machinery
and equipment] Stroitel'nye i dorozhnye mashiny i oborudovanie.
104 p. (MIRA 16:8)

(Building materials) (Road machinery)
(Construction equipment)

DREYZIN, R.S.; BELYATSKIY, V.D.; CHUMAKOV, M.P.; MUSTAFINA, A.; KONSTANTINOVA,
L.A.

Susceptibility of strains of diploid cells and other cell cultures
to rhinoviruses. Vop. virus. 10 no.2:191-197 Mr-Ap '65.

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR i Institut
poliomiyelita i virusnykh entsefalitov AMN SSSR, Moskva. (MIRA 18:10)

USSR/Farm Animals - Cattle.

Q-2

Abs Jour : Ref Zhur - Biol., No 1, 1959, 2640
Author : Konstantinova, L.B., Tsibul'skiy, F.P.
Inst : "
Title : Red Polish Cattle and Ways of Improving It.
Orig Pub : Sots. tvarinnitstvo, 1957, No 3, 28-31.

Abstract : In 1954 in the Volynskaya Oblast of the Ukrainian SSR there was established a State breeding farm for Red Polish cattle. In 1956, within the zone activity of that farm, the milk yield per foraging cow after the 3rd lactation amounted to 2,406 kg of milk with a fat content of 3.83%. The champion cows yielded up to 5,000 kg. of milk. On the slaughter of cows with above average fattening of the body, the slaughter yield amounted to 50.1%, and for cows with average fattening of body, 47.2%. The beef yield accounted for 69.5% of the total weight of the carcass. The beef was succulent and tasty.

Card 1/2

KONSTANTINOVA, L. B., Cand Agr Sci -- "The Red Polish cattle and methods of improving it." Khar'kov, 1960 (Min of Agr UkrSSR. Khar'kov Zoovet Inst).
(KL, 1-61, 201)

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